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| FORM PTO - 1449                  | ATTORNEY DOCKET NO.: MTP-024               |
| SUPPLEMENTAL                     | APPLICANTS: Watkins et al.                 |
| INFORMATION DISCLOSURE STATEMENT | SERIAL NO.: 09/709,947                     |
|                                  | FILING DATE: November 10, 2000 GROUP: 1642 |

## U.S. PATENT DOCUMENTS

| EXAM. INIT. |    | DOCUMENT NUMBER | DATE      | NAME            | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
|-------------|----|-----------------|-----------|-----------------|-------|-----------|----------------------------|
| mm          | AD | 5,342,764       | 30-Aug-94 | Johnson et al.  | 435   | 252.3     |                            |
|             | AE | 5,719,060       | 17-Feb-98 | Hutchens et al. | 436   | 174       |                            |
|             | AF | 5,792,664       | 11-Aug-98 | Chait et al.    | 436   | 89        |                            |
|             | AG | 5,962,242       | 05-Oct-99 | Klug            | 435   | 7.93      |                            |
|             | AH | 6,197,525       | 06-Mar-01 | Yao et al.      | 435   | 4         |                            |
|             | AI | 6,225,047       | 01-May-01 | Hutchens et al. | 210   | 656       |                            |
| V           | AJ | 6,287,521       | 11-Sep-01 | Quay et al.     | 422   | 101       |                            |
|             | AK | 6,410,692       | 25-Jun-02 | Stevens         | 530   | 388.25    |                            |

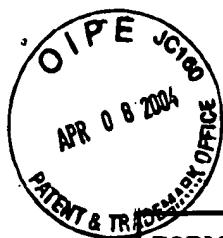
## FOREIGN PATENT DOCUMENTS

| EXAM. INIT. |    | DOCUMENT NUMBER | DATE      | COUNTRY CODE | CLASS | SUB CLASS | FILING DATE | ABSTRACT ONLY | ENGLISH LANG (Y/N) |
|-------------|----|-----------------|-----------|--------------|-------|-----------|-------------|---------------|--------------------|
| mm          | BD | 196 32 521 A    | 19-Feb-98 | DE           |       |           |             |               |                    |
|             | BE | WO 99/39204     | 05-Aug-99 | PCT          |       |           |             |               |                    |
|             | BF | AU 720626       | 19-Feb-98 | AU           |       |           |             |               |                    |
|             | BG | WO 01/36977 A2  | 25-May-01 | PCT          |       |           |             |               |                    |
|             | BH | WO 01/36977 A3  | 25-May-01 | PCT          |       |           |             |               |                    |
| V           | BI | WO 01/36470 A2  | 25-May-01 | PCT          |       |           |             |               |                    |
|             | BJ | WO 01/36470 A3  | 25-May-01 | PCT          |       |           |             |               |                    |

## OTHER ART, JOURNAL ARTICLES, ETC.

| EXAM. INIT. | OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) |  |
|-------------|--|--|
| mm          | CCE  | Aleynik et al., "Increased circulating products of lipid peroxidation in patients with alcoholic liver disease," <u>Alcohol Clin. Exp. Res.</u> , 22(1):192-196 (Feb. 1998).   |
| mm          | CCF  | Chong et al., "Protein profiles and identification of high performance liquid chromatography isolated proteins of cancer cell lines using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry," <u>Rapid Commun. Mass. Spectrom.</u> , 12(24):1986-1993 (1998). |

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|----------------|--|--|
| am             | CCG  | Clements et al., "Biochemical characterization of patients and prenatal diagnosis of sialic acid storage disease for three families," <u>J. Inherit. Metab. Dis.</u> , 11(1):30-44 (1988).   |
|                | CCH  | Cross et al., "The trans-spliceosomal U2 snRNP protein 40K of <i>Trypanosoma brucei</i> : cloning and analysis of functional domains reveals homology to a mammalian snRNP protein," <u>The EMBO Journal</u> , 12(3):1239-1248 (1993).                           |
|                | CCI  | Davies, H., "ProteinChip™ Case Study: Identification of a Novel Ligand," <a href="http://www.ciphergen.com">http://www.ciphergen.com</a> , (June 16, 1999).  |
|                | CCJ  | "Discovery of Protein Biomarkers and 'Phenomic Fingerprints' Using SELDI ProteinChip™ System," <a href="http://www.ciphergen.com">http://www.ciphergen.com</a> , downloaded January 18, 2000.  |
|                | CCK  | Fury et al., "Thirteen Anti-Sm Monoclonal Antibodies Immunoprecipitate the Three Cytoplasmic snRNP Core Protein Precursors in Six Distinct Subsets," <u>Journal of Autoimmunity</u> , 12:91-100 (1999).  |
|                | CCL  | Gottschalk et al., "Identification by mass spectrometry and functional analysis of novel proteins of the yeast [U4/U6·U5] tri-snRNP," <u>The EMBO Journal</u> , 18(16):4535-4548 (1999).   |
|                | CCM  | Gozani et al., "Evidence that sequence-independent binding of highly conserved U2 snRNP proteins upstream of the branch site is required for assembly of spliceosomal complex A," <u>Genes &amp; Development</u> , 10:233-243 (1996).                            |
|                | CCN  | Habets et al., "Mapping of B Cell Epitopes on Small Nuclear Ribonucleoproteins that React with Human Autoantibodies as well as with Experimentally-Induced Mouse Monoclonal Antibodies," <u>The Journal of Immunology</u> , 143(8):2560-2566 (October 15, 1989). |
|                | CCO  | Halliday et al., "Differentiation of human tumors from nonmalignant tissue by natural-abundance <sup>13</sup> C NMR spectroscopy," <u>Magn. Reson. Med.</u> , 7(4):384-411 (1988).   |
|                | CCP  | Harper et al., "RNA binding specificity of a <i>Drosophila</i> snRNP protein that shares sequence homology with mammalian U1-A and U2-B" proteins," <u>Nucleic Acids Research</u> , 20(14):3645-3650(1992).  |
|                | CCQ  | Hong et al., "Association of U2 snRNP with the spliceosomal complex E," <u>Nucleic Acid Research</u> , 25(2):354-361 (1997).   |
|                | CCR  | Jellum et al., "Profiling cells and body fluids – chromatography and two-dimensional electrophoresis as complementary techniques," <u>J. Chromatogr.</u> , 488(1):105-127 (March 17, 1989).  |
|                | CCS  | Jellum, E., "Multi-Component Analyses of Human Body Fluids and Tissues in Health and Disease Using Capillary Gas Chromatography -Mass Spectrometry and High-Resolution Two-Dimensional Electrophoresis," <u>Journal of Chromatography</u> , 239:29-37 (1982).    |
|                | CCT  | Jellum et al., "Clinical Applications of Two-Dimensional Electrophoresis," <u>Clin. Chem.</u> , 28(4):876-883 (1982).  |

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|----------------|--|---|
| <i>mm</i>      | CCU  | Kramer et al., "Combined Biochemical and Electron Microscopic Analyses Reveal the Architecture of the Mammalian U2 snRNP," <u>The Journal of Cell Biology</u> , 145(7):1355-1368 (June 28, 1999).   |
| <i>1</i>       | CCV  | Lalioti et al., "The Gene for Human U2 snRNP Auxiliary Factor Small 35-kDa Subunit ( <i>U2AF1</i> ) Maps to the Progressive Myoclonus Epilepsy (EPM1) Critical Region on Chromosome 21q22.3," <u>Genomics</u> , 33:298-300 (1996).                |
|                | CCW  | Lamond et al., "Probing the Structure and Function of U2 snRNP with Antisense Oligonucleotides Made of 2'-OMe RNA," <u>Cell</u> , 58:383-390 (July 28, 1989).   |
|                | CCX  | Leaves et al., "Pyrolysis mass spectrometry in epidemiological and population genetic studies of <i>Haemophilus influenzae</i> ," <u>J. Med. Microbiol.</u> , 46(3):204-207 (1997).   |
|                | CCY  | Lim et al., "Altered hydroxylation of estrogen in patients with postmenopausal osteopenia," <u>J. Clin. Endocrinol. Metab.</u> , 82(4):1001-1006 (April 1997).  |
|                | CCZ  | Loo et al., "High sensitivity mass spectrometric methods for obtaining intact molecular weights from gel-separated proteins," <u>Electrophoresis</u> , 20:743-748 (1999).   |
|                | CCCA   | Lollo et al., "Improved two-dimensional gel electrophoresis representation of serum proteins by using ProtoClear™," <u>Electrophoresis</u> , 20:854-859 (1999).   |
|                | CCCB   | Ogorzalek Loo et al., "Sensitivity and mass accuracy for proteins analyzed directly from polyacrylamide gels: Implications for proteome mapping," <u>Electrophoresis</u> , 18:382-390 (1997).   |
|                | CCCC   | Ogorzalek Loo et al., "Mass Spectrometry of Proteins Directly from Polyacrylamide Gels," <u>Anal. Chem.</u> , 68:1910-1917 (1996).  |
|                | CCCD   | Osin et al., "Experimental pathology and breast cancer genetics: new technologies," <u>Recent Results Cancer Res.</u> , 152:35-48 (1998).   |
|                | CCCE   | Ostergaard et al., "Proteome profiling of bladder squamous cell carcinomas: identification of markers that define their degree of differentiation," <u>Cancer Res.</u> , 57(18) 4111-4119 (September 15, 1997).                                   |
|                | CCCF   | Rohde et al., "Comparison of protein mixtures in aqueous humor by membrane preconcentration - capillary electrophoresis - mass spectrometry," <u>Electrophoresis</u> , 19:2361-2370 (1998).   |
|                | CCCG   | Schuhmacher et al., "Investigations concerning the potential for using <sup>1</sup> H NMR relaxometry or high-resolution spectroscopy of plasma as a screening test for malignant lung disease," <u>Magn. Reson. Med.</u> , 13(1):103-132 (1990). |
|                | CCCH   | Spector et al., "Differences in snRNP Localization Between Transformed and Nontransformed Cells," <u>Molecular Biology of the Cell</u> , 3:555-569 (May 1992).  |
| <i>V</i>       | CCCI   | Thiede et al., "Identification of human myocardial proteins separated by two-dimensional electrophoresis with matrix-assisted laser desorption/ionization mass-spectrometry," <u>Electrophoresis</u> , 17(3):588-599 (1996).                      |
| EXAMINER       | <i>mmf</i><br>DATE CONSIDERED 03/24/2005   |   |



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| amb                              | CCCI   | Weekes et al., "Bovine dilated cardiomyopathy: Proteomic analysis of an animal model of human dilated cardiomyopathy," <u>Electrophoresis</u> , 20:898-906 (1999).   |
| J                                | CCCK   | Xu et al., "Synthetic Lethality of Yeast <i>slt</i> Mutations with U2 Small Nuclear RNA Mutations Suggests Functional Interactions between U2 and U5 snRNPs That Are Important for Both Steps of Pre-mRNA Splicing," <u>Molecular and Cellular Biology</u> , 18(4):2055-2066 (April 1988). |
| J                                | CP   | Bazel et al., "Characterization of Purified Cathepsin D From Malignant Human Breast Tissue" <u>International Journal of Oncology</u> 14: 315-319 (1999)  |
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